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NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
NEWS 13 OCT 10 PCTFULL: Two new display fields added
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded

NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003

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FILE 'HOME' ENTERED AT 19:47:06 ON 07 DEC 2003

=> b ca

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CA' ENTERED AT 19:47:15 ON 07 DEC 2003
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FILE COVERS 1907 - 4 Dec 2003 VOL 139 ISS 24
FILE LAST UPDATED: 4 Dec 2003 (20031204/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s (guillain(w)barre(w)syndrome) or (motor(w)neuropathy) or
  (peripheral(w)neuropathy) or (autoimmune(w)neuropathy)
    4 GUILLIAN
    959 BARRE
    80839 SYNDROME
      4 GUILLIAN(W) BARRE (W) SYNDROME
    69515 MOTOR
    7932 NEUROPATHY
      160 MOTOR (W) NEUROPATHY
    152253 PERIPHERAL
      7932 NEUROPATHY
      1891 PERIPHERAL (W) NEUROPATHY
    29909 AUTOIMMUNE
      7932 NEUROPATHY
        37 AUTOIMMUNE (W) NEUROPATHY
L1      2057 (GUILLIAN(W)BARRE(W)SYNDROME) OR (MOTOR(W)NEUROPATHY) OR (PERIPHERAL(W)NEUROPATHY) OR (AUTOIMMUNE(W)NEUROPATHY)

=> s l1 and ganglioside?
    11836 GANGLIOSIDE?
L2      96 L1 AND GANGLIOSIDE?

=> s l2 and antibod?
    379987 ANTIBOD?
L3      76 L2 AND ANTIBOD?

=> s l3 and (surface(w)plasmon(w)resonance)
    1766805 SURFACE
    15074 PLASMON
    431987 RESONANCE
      4557 SURFACE (W) PLASMON (W) RESONANCE
L4      1 L3 AND (SURFACE (W) PLASMON (W) RESONANCE)

=> d all

L4      ANSWER 1 OF 1  CA  COPYRIGHT 2003 ACS on STN
AN      136:18927  CA
ED      Entered STN: 03 Jan 2002
TI      A surface plasmon resonance biosensor assay
        for measurement of anti-GM1 antibodies in neuropathy
AU      Alaeddini, Armin; Latov, Norman
CS      Department of Neurology, Columbia University, New York, NY, 10032, USA
SO      Neurology (2001), 56(7), 855-860
        CODEN: NEURAI; ISSN: 0028-3878
```

PB Lippincott Williams & Wilkins
DT Journal
LA English
CC 15-1 (Immunochemistry)
Section cross-reference(s): 9
AB Objective is to develop a rapid assay for the detection and measurement of anti-GM1 **ganglioside antibodies** in patients with neuropathy, using a **surface plasmon resonance**-based biosensor. Elevated levels of anti-GM1 **ganglioside antibodies** are obsd. in patients with acute and chronic motor neuropathies. Assays for detecting anti-GM1 **antibodies** in serum are increasingly being used to help the physician in the evaluation of these patients. Antigens were immobilized by adsorption of GM1 (active) and GM2 (control) **gangliosides** onto a dextran-based sensor chip which is in contact with a flow cell carrying the sample. Interaction of specific **antibodies** directed against GM1 with the **ganglioside**-coated sensor chip caused a change in refractive index at the surface of the chip, which was detected by an optical sensor, using the phenomenon of **surface plasmon resonance**. Sera from patients and healthy individuals were analyzed by the new assay and results were compared with those from ELISA. Anti-GM1 **antibody** isotype was identified by using a secondary **antibody**. The binding of anti-GM1 **antibodies** to the immobilized GM1 was obsd. in real time after ref. subtraction of the response from GM2 control. The response was proportional to **antibody** concn. The assay exhibited high specificity for sera from patients with multi-focal **motor neuropathy** and Guillain-Barre syndrome with **antibodies** against GM1. The **surface plasmon resonance** biosensor assay offers a rapid system for directly measuring **antibody** levels in serum without the use of any labels, while comparing favorably with the ELISA system in sensitivity and specificity.
ST biosensor immunoassay **ganglioside GM1 antibody**
neuropathy
IT Immunoglobulins
RL: ANT (Analyte); ANST (Analytical study)
(G; **surface plasmon resonance** biosensor
assay for anti-GM1 **antibody** measurement in neuropathy)
IT Nervous system, disease
(Guillain-Barre syndrome; **surface plasmon resonance** biosensor assay for anti-GM1 **antibody** measurement in)
IT Immunoglobulins
RL: ANT (Analyte); ANST (Analytical study)
(M; **surface plasmon resonance** biosensor
assay for anti-GM1 **antibody** measurement in neuropathy)
IT Adsorption
(immunoadsorption; adsorption of GM1 **gangliosides** onto a dextran-based sensor ship)
IT Nerve, disease
(neuropathy; **surface plasmon resonance** biosensor assay for anti-GM1 **antibody** measurement in neuropathy)
IT Molecular association
(of **ganglioside** GM1 with **antibodies**)
IT Immobilization, molecular
(protein; adsorption of GM1 **gangliosides** onto a dextran-based sensor ship)
IT Biosensors
Immunoassay
(**surface plasmon resonance** biosensor assay for anti-GM1 **antibody** measurement in neuropathy)
IT 37758-47-7, **Ganglioside GM1**
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(**surface plasmon resonance** biosensor

assay for anti-GM1 antibody measurement in neuropathy)
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Asbury, A; Ann Neurol 1990, V27, PS21
- (2) Asbury, A; J Child Neurol 2000, V15, P183 MEDLINE
- (3) Briani, C; Neuromuscul Disord 1996, V6, P311 MEDLINE
- (4) Carpo, M; Neurology 1999, V53, P2206 MEDLINE
- (5) Fagerstam, L; J Chromatogr 1992, V597, P397 MEDLINE
- (6) Holloway, R; Neurology 1999, V53, P1905 MEDLINE
- (7) Kinsella, L; Neurology 1994, V44, P1278 MEDLINE
- (8) Kissel, J; Semin Neurol 1998, V18, P83 MEDLINE
- (9) Malmqvist, M; Biochem Soc Trans 1999, V27, P335 CA
- (10) Marcus, D; J Neuroimmunol 1989, V25, P255 MEDLINE
- (11) Pestronk, A; Ann Neurol 1988, V24, P73 MEDLINE
- (12) Pestronk, A; Muscle Nerve 1991, V14, P927 MEDLINE
- (13) Pestronk, A; Neurology 2000, V54, P2353 MEDLINE
- (14) Sadiq, S; Neurology 1990, V40, P1067 MEDLINE
- (15) van Den Berg, L; Muscle Nerve 1996, V19, P637 MEDLINE

=> b medline
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	27.15	27.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE	TOTAL
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FILE LAST UPDATED: 2 DEC 2003 (20031202/UP). FILE COVERS 1958 TO DATE.

On April 13, 2003, MEDLINE was reloaded. See HELP RLOAD for details.

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(FILE 'HOME' ENTERED AT 19:47:06 ON 07 DEC 2003)

FILE 'CA' ENTERED AT 19:47:15 ON 07 DEC 2003

L1 2057 S (GUILLIAN(W)BARRE(W)SYNDROME) OR (MOTOR(W)NEUROPATHY) OR (PER
L2 96 S L1 AND GANGLIOSIDE?
L3 76 S L2 AND ANTIBOD?
L4 1 S L3 AND (SURFACE(W)PLASMON(W)RESONANCE)

FILE 'MEDLINE' ENTERED AT 19:49:35 ON 07 DEC 2003

=> s 14

- 46 GUILLIAN
- 4333 BARRE
- 516954 SYNDROME
- 38 GUILLIAN(W)BARRE(W)SYNDROME
- 158727 MOTOR
- 26087 NEUROPATHY
- 732 MOTOR(W)NEUROPATHY
- 272961 PERIPHERAL
- 26087 NEUROPATHY
- 6111 PERIPHERAL(W)NEUROPATHY

65803 AUTOIMMUNE
26087 NEUROPATHY
25 AUTOIMMUNE (W) NEUROPATHY
11876 GANGLIOSIDE?
645391 ANTIBOD?
394494 SURFACE
2780 PLASMON
237628 RESONANCE
2605 SURFACE (W) PLASMON (W) RESONANCE
L5 1 L3 AND (SURFACE (W) PLASMON (W) RESONANCE)

=> d ti

L5 ANSWER 1 OF 1 MEDLINE on STN
TI A **surface plasmon resonance biosensor assay**
for measurement of anti-GM(1) **antibodies** in neuropathy.

=> b uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.38	27.74
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

FILE 'USPATFULL' ENTERED AT 19:50:01 ON 07 DEC 2003
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 4 Dec 2003 (20031204/PD)
FILE LAST UPDATED: 4 Dec 2003 (20031204/ED)
HIGHEST GRANTED PATENT NUMBER: US6658663
HIGHEST APPLICATION PUBLICATION NUMBER: US2003226186
CA INDEXING IS CURRENT THROUGH 4 Dec 2003 (20031204/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 4 Dec 2003 (20031204/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14

94 GUILLIAN
2358 BARRE

44559 SYNDROME
74 GUILLIAN (W) BARRE (W) SYNDROME
601662 MOTOR
6201 NEUROPATHY
66 MOTOR (W) NEUROPATHY
479312 PERIPHERAL
6201 NEUROPATHY
2708 PERIPHERAL (W) NEUROPATHY
19062 AUTOIMMUNE
6201 NEUROPATHY
4 AUTOIMMUNE (W) NEUROPATHY
2987 GANGLIOSIDE?
93323 ANTIBOD?
2135126 SURFACE
3783 PLASMON
108992 RESONANCE
3165 SURFACE (W) PLASMON (W) RESONANCE
L6 26 L3 AND (SURFACE (W) PLASMON (W) RESONANCE)

=> d ti 1-26

L6 ANSWER 1 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 2 OF 26 USPATFULL on STN
TI Individualization of therapy with antiviral agents

L6 ANSWER 3 OF 26 USPATFULL on STN
TI Use of metabolic phenotyping in individualized treatment with amonafide

L6 ANSWER 4 OF 26 USPATFULL on STN
TI Individualization of therapy with antibiotic agents

L6 ANSWER 5 OF 26 USPATFULL on STN
TI Individualization of therapy with antihistamines

L6 ANSWER 6 OF 26 USPATFULL on STN
TI Individualization of therapy with anxiolitics

L6 ANSWER 7 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 8 OF 26 USPATFULL on STN
TI Individualization of therapy with antipsychotics

L6 ANSWER 9 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 10 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 11 OF 26 USPATFULL on STN
TI Use of metabolic phenotyping in individualized treatment with amonafide

L6 ANSWER 12 OF 26 USPATFULL on STN
TI Individualization of therapy with Alzheimer's disease agents

L6 ANSWER 13 OF 26 USPATFULL on STN
TI Individualization of therapy with antiarrhythmics

L6 ANSWER 14 OF 26 USPATFULL on STN
TI Individualization of therapy with antineoplastic agents

L6 ANSWER 15 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 16 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 17 OF 26 USPATFULL on STN
TI Multiple determinants for metabolic phenotypes

L6 ANSWER 18 OF 26 USPATFULL on STN
TI Individualization of therapy with analgesics

L6 ANSWER 19 OF 26 USPATFULL on STN
TI Individualization of therapy with erectile dysfunction agents

L6 ANSWER 20 OF 26 USPATFULL on STN
TI Individualization of therapy with antidepressants

L6 ANSWER 21 OF 26 USPATFULL on STN
TI Individualization of therapy with immunosuppressants

L6 ANSWER 22 OF 26 USPATFULL on STN
TI Individualization of therapy with hyperlipidemia agents

L6 ANSWER 23 OF 26 USPATFULL on STN
TI Individualization of therapy with gastroesophageal reflux disease agents

L6 ANSWER 24 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 25 OF 26 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L6 ANSWER 26 OF 26 USPATFULL on STN
TI **Surface plasmon resonance biosensor for measurement of anti-glycolipid antibody levels in neuropathy**

=> logoff y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.27	29.01
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

STN INTERNATIONAL LOGOFF AT 19:50:40 ON 07 DEC 2003